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21 June 1961

file P-261

MEMORANDUM FOR: THE RECORD

SUBJECT : Progress Visit [ ]

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1. TIME AND PLACE OF MEETING: The meeting was held on 18 May at [ ]

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2. ATTENDANCE: [ ]

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3. PURPOSE OF MEETING: Discuss the Wall Scanning Radar Project.4. DISCUSSION:

[ ] completed the design for the swept power supply for the B. W. O. and has packaged it. The Varian VA-162 backward wave oscillator has been received, tested and incorporated into the power package. [ ] completed the design of the broadband serrodyne translator and has packaged it. [ ] had not received the Huggins HA-491 traveling wave tube, but the supplier had informed them that he had shipped it.

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[ ] is looking at several different approaches on the gated filters for the analysis system. One approach is a bridged-T null network, another employs the principle of Q-multiplication and another is a bridge-T network in a degenerative feedback arrangement. Breadboard tests of these approaches will determine which one is the most compatible.

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[ ] also completed construction of the timing circuitry. [ ] that by the middle of June all the separate packages would be breadboarded and ready for integration.

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The major problem left is the antenna. [ ] has decided to construct an ellipsoidal reflector about two feet in diameter. Such an antenna has a two inch focusing action at a distance of three feet. [ ] has completed the mechanical scanning device to carry the antenna, the B. W. O. and the T. W. T., all of which will be mounted together. This puts all the radio frequency elements near the antenna feed circuit.

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DOCUMENT NO. 12  
NO CHANGE IN CLASS. ☐☐ DECLASSIFIED

CLASS. CHANGED TO: TS S © 2610

NEXT REVIEW DATE:

AUTH: HB 70-2

DATE: 230/89 REVIEWER: 010958

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Memorandum for THE RECORD dated 21 June 1961  
Subj: Progress Visit

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